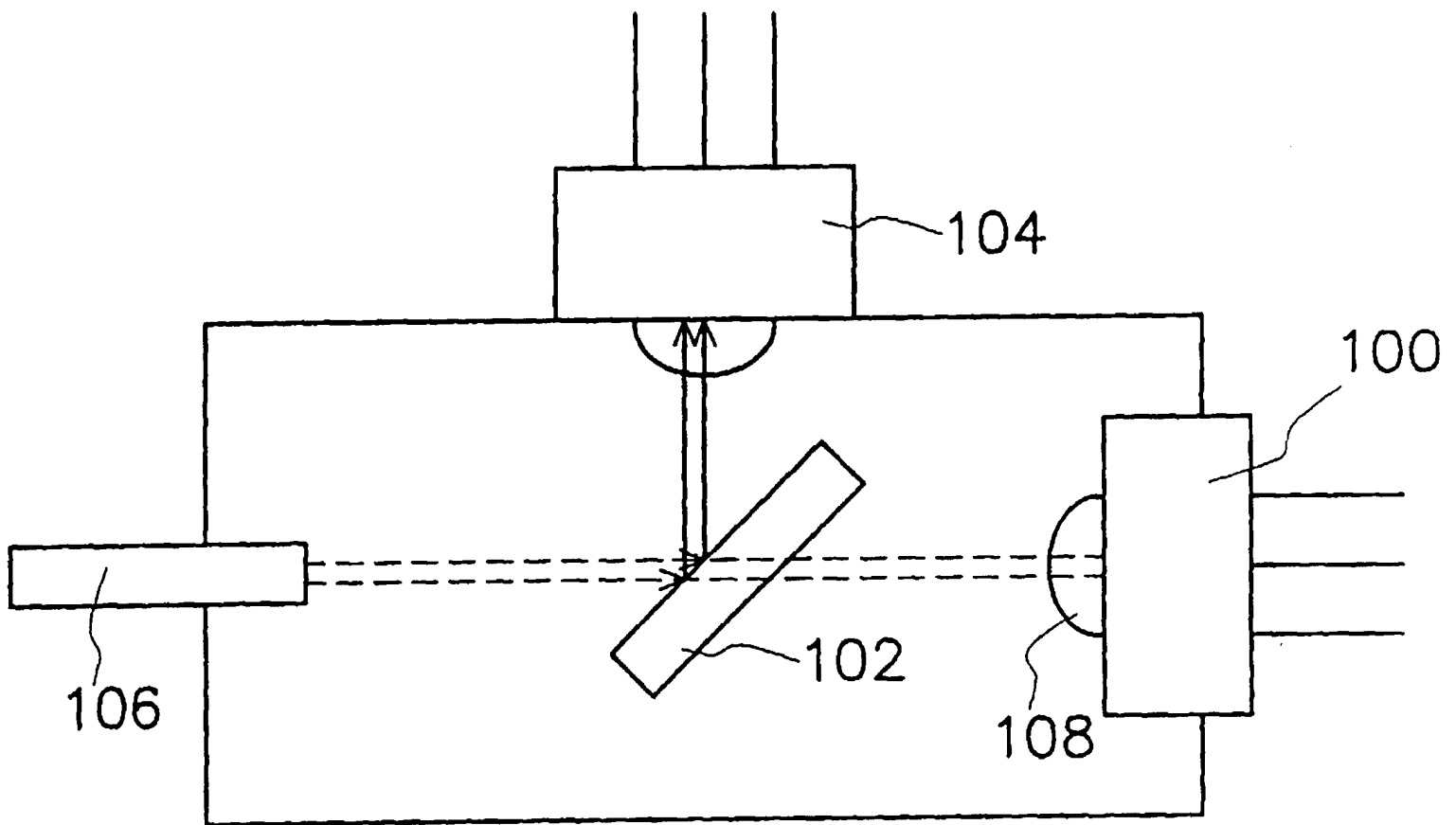


L Number	Hits	Search Text	DB	Time stamp
-	2152112	tunabl near\$4 filter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/08 12:20
-	469229	lens	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/08 12:20
-	779048	detector	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/08 12:20
-	7227	(tunable near\$4 filter) same lens same detector	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/08 12:21
-	6789	wdm	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/08 12:21
-	57	((tunable near\$4 filter) same lens same detector) and wdm	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/08 12:21
-	5	("5550818" "5798855" "5838437" "5859717" "6262822").PN.	USPAT	2002/07/08 12:22
-	16	("3746429" "4503541" "4807227" "4815081" "4923270" "4925273" "5173794" "5299212" "5384799" "5394489" "5457760" "5602394" "5943349" "5956356" "5970076" "6120190").PN.	USPAT	2002/07/08 12:25

L Number	Hits	Search Text	DB	Time stamp
1	22646	pti al n ar5 monit r\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/03 18:27
2	4324	tunable near5 filter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/03 18:29
3	1632032	sensor or detector	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/03 18:29
4	135	(optical near5 monitor\$5) and (tunable near5 filter) and (sensor or detector)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/03 18:29
5	35247	bench	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/03 18:29
6	468421	lens	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/03 18:30
7	5	((optical near5 monitor\$5) and (tunable near5 filter) and (sensor or detector)) and bench and lens	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/03 18:35
8	5	("5550818" "5798855" "5838437" "5859717" "6262822").PN.	USPAT	2002/07/03 18:33
9	2	(tunable near5 filter) same (sensor or detector) same bench same lens	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/03 18:37
10	1009877	fiber\$2 or fibre\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/03 18:37
11	554722	packag\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/03 18:37

12	13	(fib r\$2 r fibr \$2) and packag\$4 and ((optical near5 monitor\$5) and (tunable near5 filt r) and (s nsor or detect r))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2002/07/03 18:38
13	2	("5223972" "5673141").PN.	DERWENT	2002/07/03 18:41
14	1	2002-171294.NRAN.		2002/07/03 18:52



DERWENT-ACC-NO: 2001-315203

DERWENT-WEEK: 200133

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TITLE: Holographic bi-directional transceiver, has required positioning precision of relative location and distance of light source and signal detector lower

INVENTOR-NAME: JU, M; SU, J

PRIORITY-DATA: 1999TW-0108361 (May 21, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
TW 416015 A	December 21, 2000	N/A	000	G02B 006/00

INT-CL_(IPC): G02B006/00

ABSTRACTED-PUB-NO: TW 416015A

BASIC-ABSTRACT: NOVELTY - The wavelength division multiplex (WDM) filter is

installed on the glass wafer and also located on the rim of the semiconductor laser light source to integrate the semiconductor laser light source and signal detector on the same light axis. The holographic optical element (HOE) and laser light source power detector are integrated on the second base. The glass wafer is located in between the first base and the second base.

DETAILED DESCRIPTION - The HOE is taken as the coupling lens of semiconductor

laser light source and optical fiber. After the signal issued by the light source is reflected by the WDM filter, it is focused by the HOE to input through optical fiber. After passing through the HOE, the signal inputted through optical fiber directly penetrates the WDM filter and is focused on the signal detector for further processing.

USE - In holographic bi-directional transceiver, having semiconductor laser light source and signal detector integrated on first base.

----- KWIC -----

ABTX:

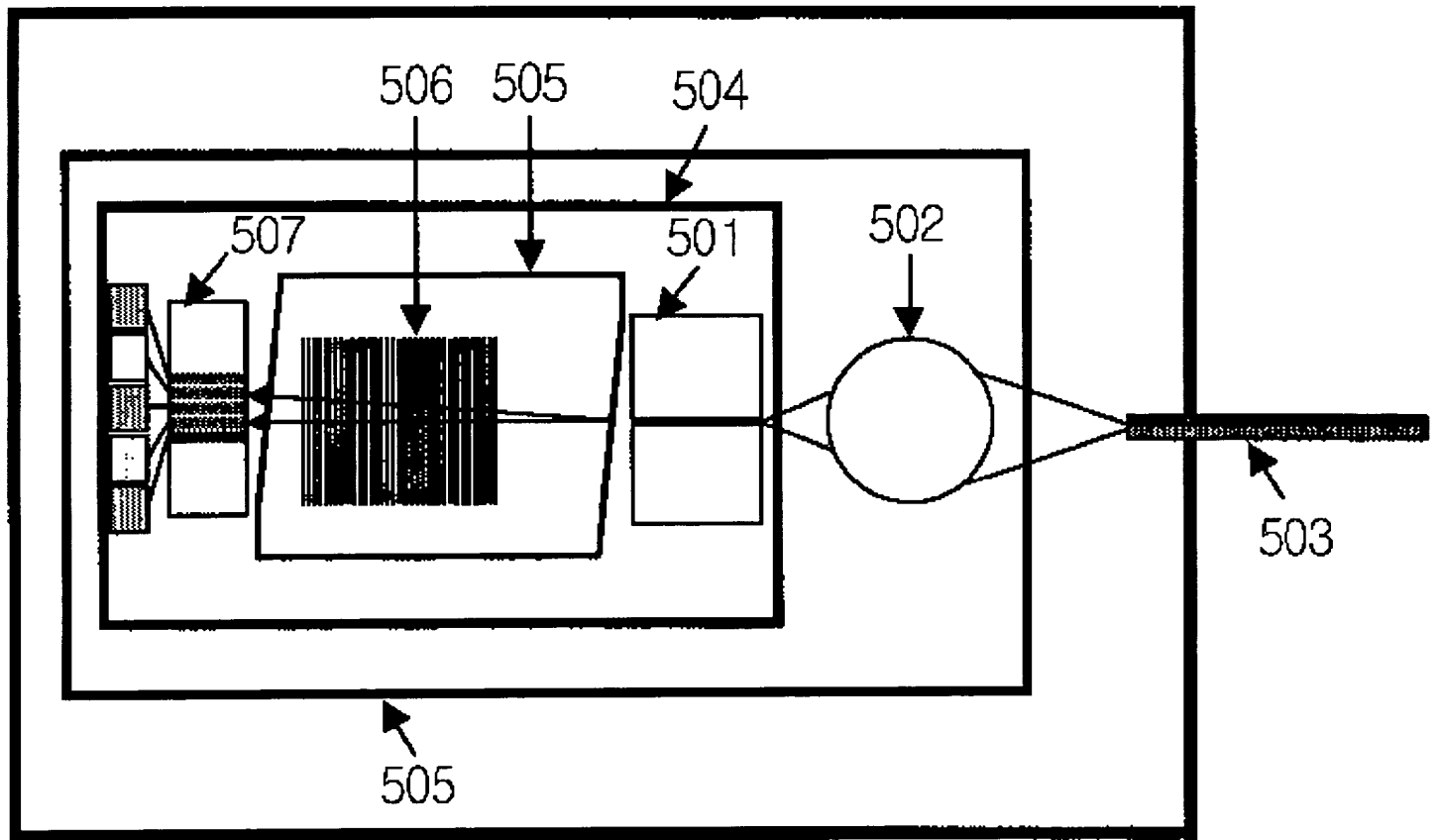
NOVELTY - The wavelength division multiplex (WDM) filter is installed on the glass wafer and also located on the rim of the semiconductor laser light source to integrate the semiconductor laser light source and signal detector on the same light axis. The holographic optical element (HOE) and laser light source

power detector are integrated on the second base. The glass wafer is located in between the first base and the second base.

ABTX:

DETAILED DESCRIPTION - The HOE is taken as the coupling lens of semiconductor

laser light source and optical fiber. After the signal issued by the light source is reflected by the WDM filter, it is focused by the HOE to input through optical fiber. After passing through the HOE, the signal inputted through optical fiber directly penetrates the WDM filter and is focused on the signal detector for further processing.



DERWENT-ACC-NO: 2002-222683

DERWENT-WEEK: 200228

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TITLE: Device for detecting optical waveguide of concentrative optical type

INVENTOR-NAME: CHO, H S; KIM, S B ; PARK, G H ; PYUN, G U

PRIORITY-DATA: 1999KR-0025034 (June 28, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
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KR 2001004403 A	January 15, 2001	N/A	001	G02B 006/062
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INT-CL_(IPC): G02B006/062

ABSTRACTED-PUB-NO: KR2001004403A

BASIC-ABSTRACT: NOVELTY - A device for detecting optical waveguide of concentrative optical type is provided to optical waveguide detect array laser diode (LD) as a next generation wavelength division multiplexing (WDM).

DETAILED DESCRIPTION - The device for detecting waveguide (504) is formed by a

laser diode (501), a plate optical waveguide (505), and a space division multi-channel optical detector (507). The device is assembled on a thermoelement. Optical output of the laser diode is concentrated in an optical fiber (503) by a lens (502). Hence error in transmitting center wave length of a grating optical filter (506) is attenuated by properly selecting the optical waveguide. By change in temperature, which adjusts optical wavelength of the laser diode, rear output of the laser diode is concentrated on the plate optical waveguide.

----- KWIC -----

ABTX:

NOVELTY - A device for detecting optical waveguide of concentrative optical type is provided to optical waveguide detect array laser diode (LD) as a next generation wavelength division multiplexing (WDM).

ABTX:

DETAILED DESCRIPTION - The device for detecting waveguide (504) is formed by a

laser diode (501), a plate optical waveguide (505), and a space division multi-channel optical detector (507). The device is assembled on a

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